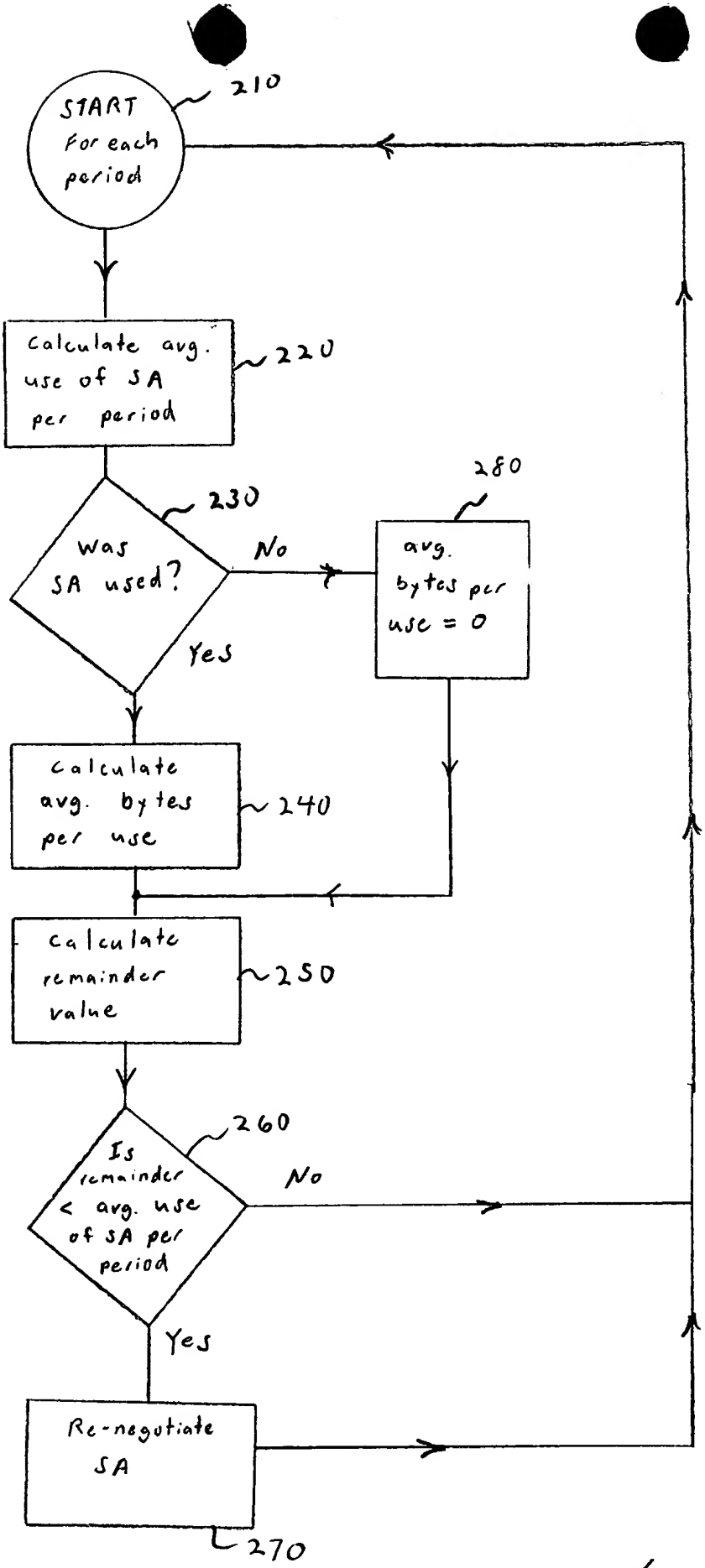

START
For each period
210
Calculate avg. use of SA per period
220
Was SA used?
230
No
Yes
avg. bytes per use = 0
280
Calculate avg. bytes per use
240
Calculate remainder value
250
Is remainder < avg. use of SA per period
260
No
Yes
Re-negotiate SA
270
200

Fig. 2

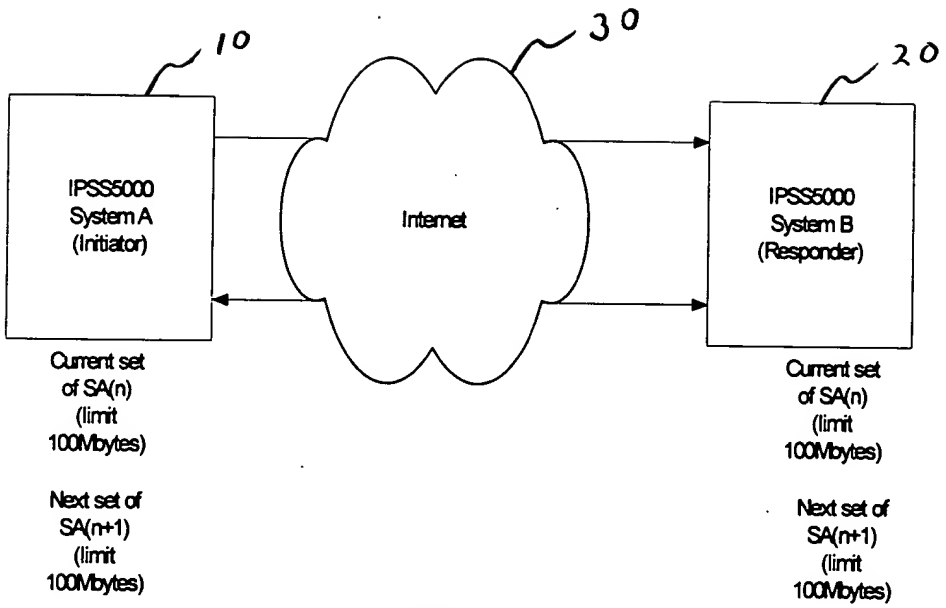
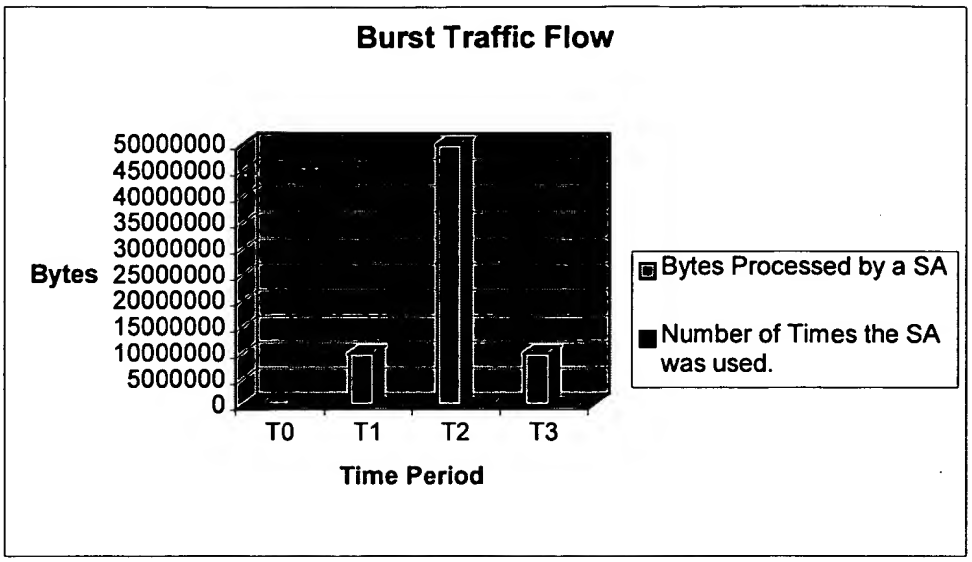

10
30
20
IPSS5000
System A
(Initiator)
Internet
IPSS5000
System B
(Responder)
Current set
of SA(n)
(limit
100Mbytes)
Next set of
SA(n+1)
(limit
100Mbytes)
Current set
of SA(n)
(limit
100Mbytes)
Next set of
SA(n+1)
(limit
100Mbytes)

Figure 1



Period T	Bytes Processed by a SA	Number of Times the SA was used.
T0	0	0
T1	$10 * 10^6$	$10 * 10^3$
T2	$50 * 10^6$	$50 * 10^3$
T3	$10 * 10^6$	$10 * 10^3$

Figure 3